organizational participation in
open communities

SPDX Tooling: Production and Consumption

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Agenda

- Introductions
- UNO SPDX Architecture
- Resources – SPDX Tools
- Future Directions –SPDX Tools

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Introductions

- Sam Adams, Jake Cloyd, Scott Humlicek, & Mike Santo
  - College of IS&T students
- Liang Cao
  - College of IS&T masters student
- Matt Germonprez
  - College of IS&T professor

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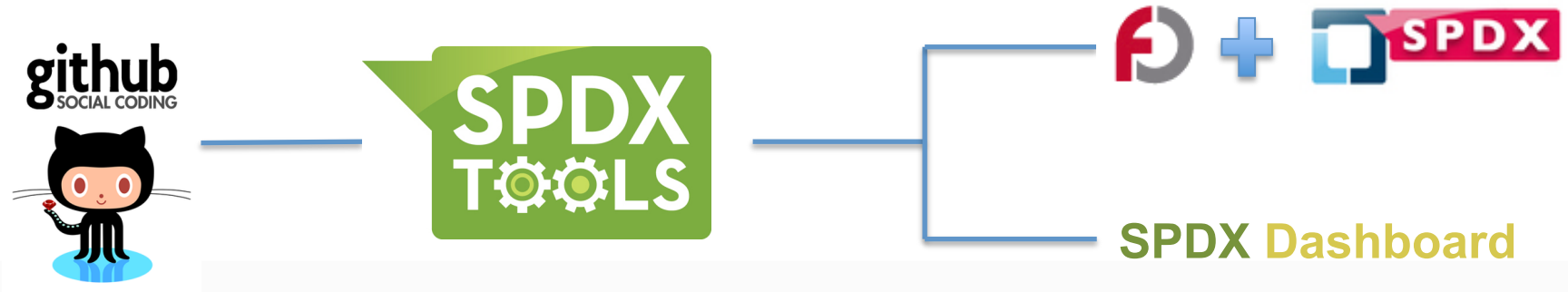
UNO SPDX Architecture



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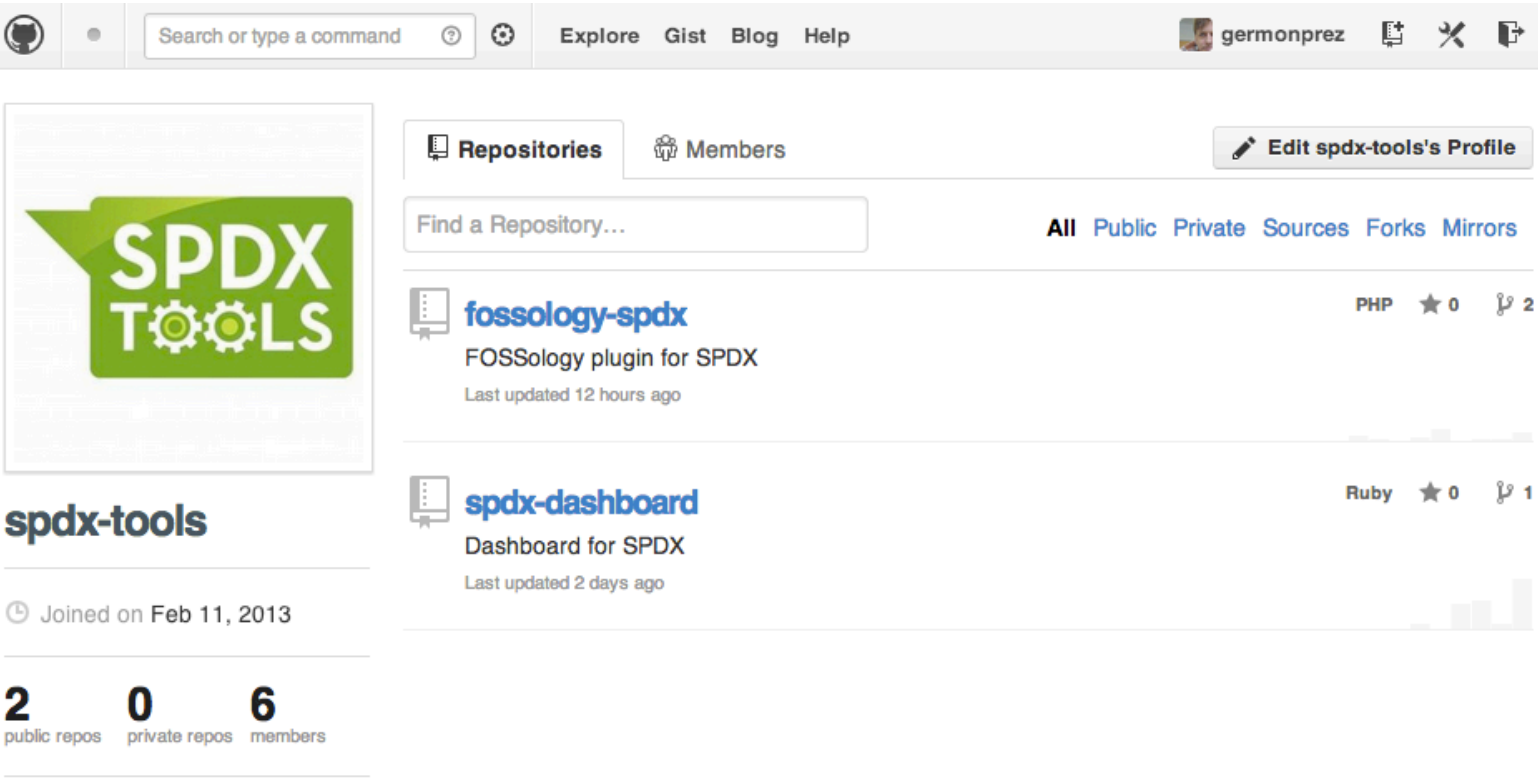
SPDX TOOLS



https://github.com/spdx-tools

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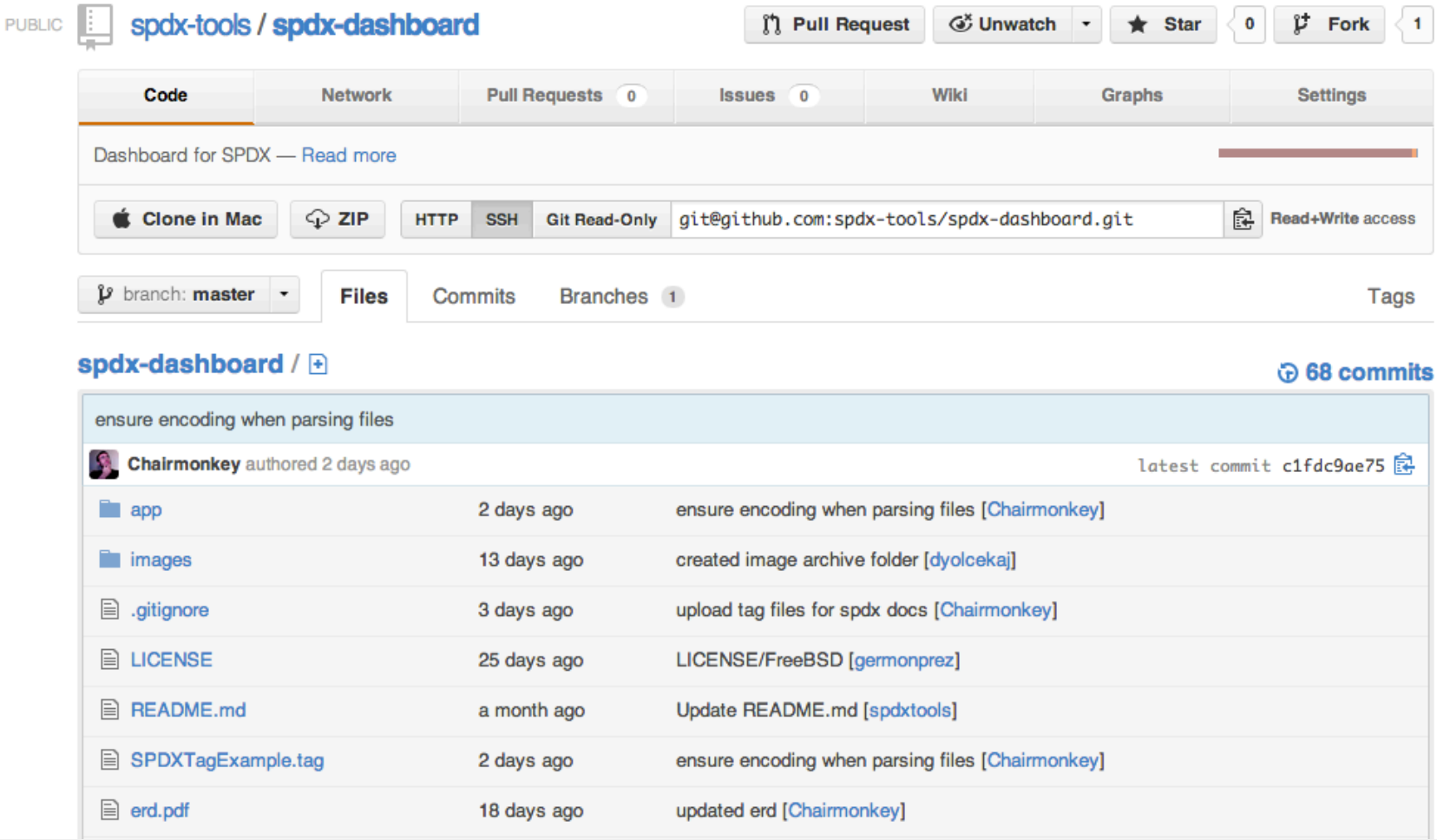

PUBLIC spdx-tools / spdx-dashboard

Pull Request | Unwatch | Star 0 | Fork 1

Code | Network | Pull Requests 0 | Issues 0 | Wiki | Graphs | Settings

Dashboard for SPDX — Read more

Clone in Mac | ZIP | HTTP | SSH | Git Read-Only | git@github.com:spdx-tools/spdx-dashboard.git | Read+Write access

branch: master | Files | Commits | Branches 1 | Tags

spdx-dashboard /

68 commits

ensure encoding when parsing files

Chairmonkey authored 2 days ago — latest commit c1fdc9ae75

app	2 days ago	ensure encoding when parsing files [Chairmonkey]
images	13 days ago	created image archive folder [dyolcekaj]
.gitignore	3 days ago	upload tag files for spdx docs [Chairmonkey]
LICENSE	25 days ago	LICENSE/FreeBSD [germonprez]
README.md	a month ago	Update README.md [spdxtools]
SPDXTagExample.tag	2 days ago	ensure encoding when parsing files [Chairmonkey]
erd.pdf	18 days ago	updated erd [Chairmonkey]

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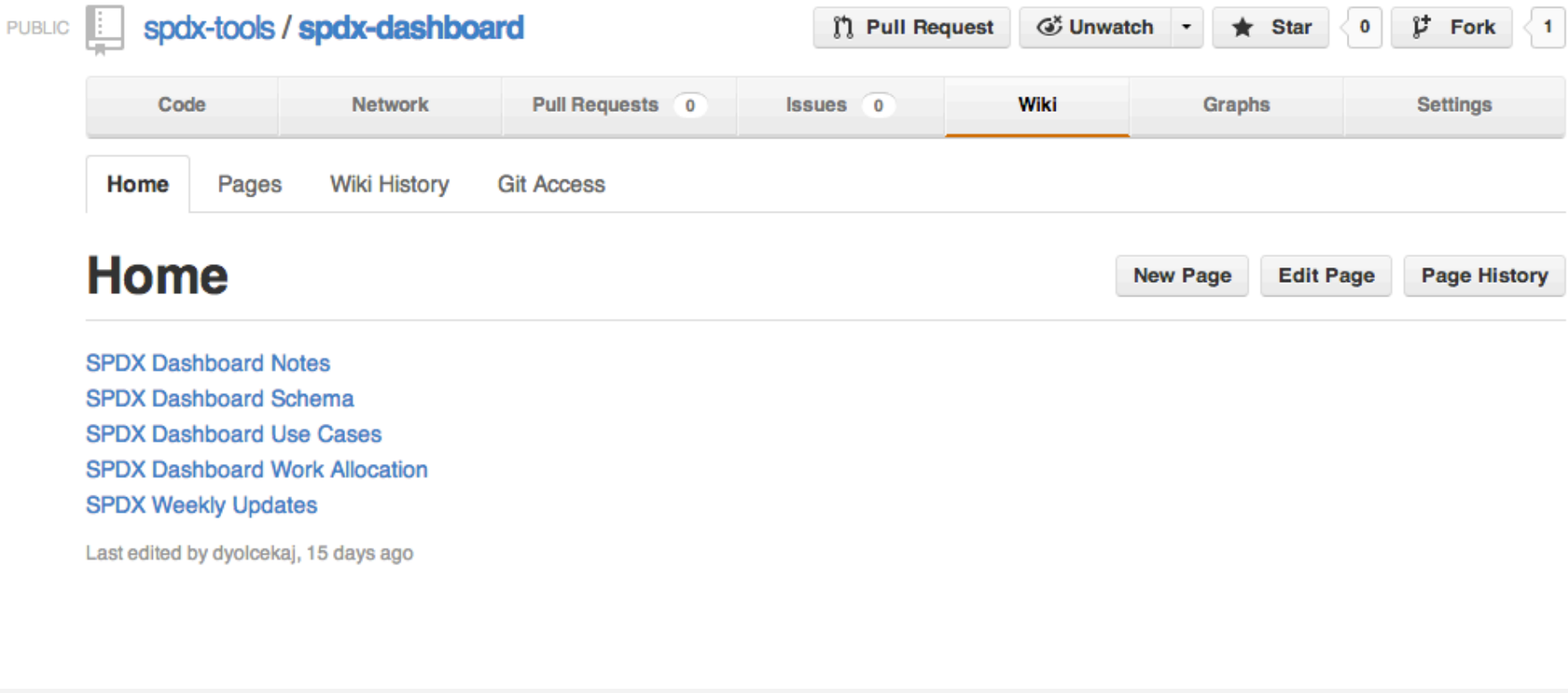

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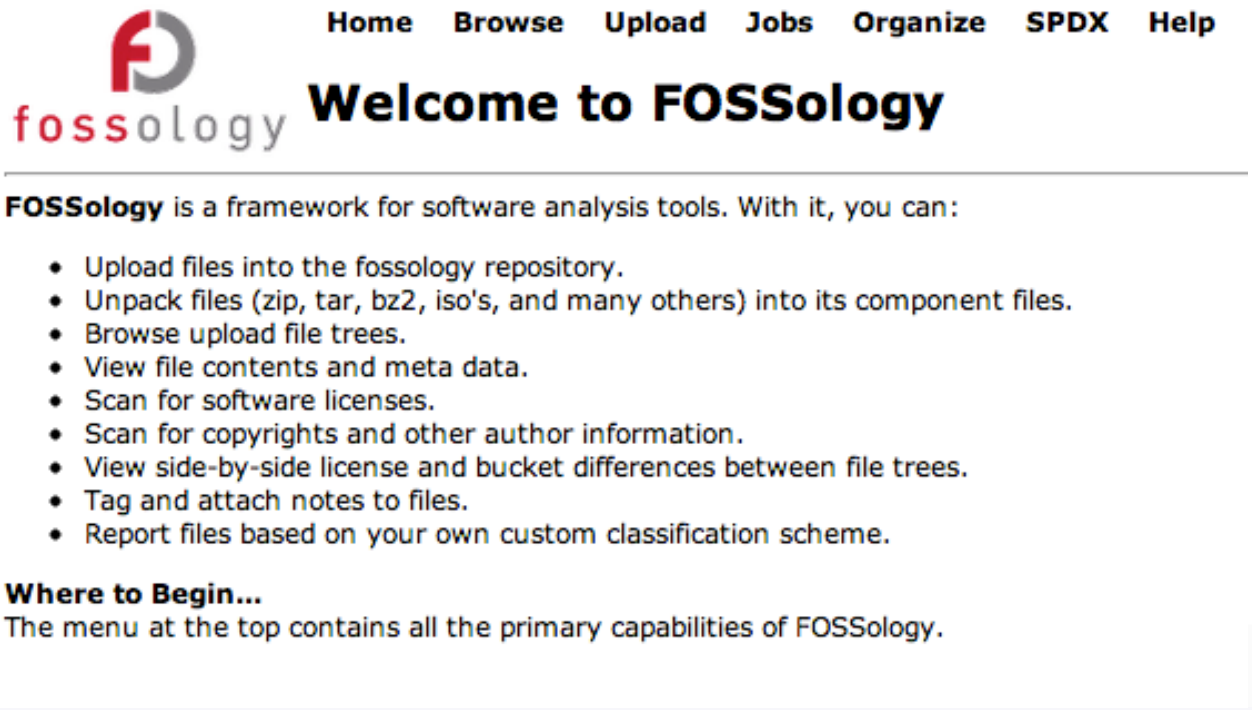

https://fossology-demo.ist.unomaha.edu/
to become
https://fossologyspdx.ist.unomaha.edu/

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Home Browse Upload Jobs Organize SPDX Help

fossology

SPDX Edit

login

This option permits editing/creating a single SPDX file from analised packages/files by FOSSology.
Fields denoted by an * are required.

SPDX Version	SPDX-1.1
Creator *	Matt Germonprez
Creator optional1	Option1
Creator optional2	Option2
Created Date	2013-03-29 13:18:58
Data License	CC0-1.0
Creator Comment	Professor at UNO
Document Comment	Busybox SPDX

Package(s)

busybox-1.20.2.tar.bz2(busybox version 1.20.2)

Next

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Creator	Matt Germonprez
Creator optional1	Option1
Creator optional2	Option2
Created Date	2013-03-29 13:18:58
Data License	CC0-1.0
Creator Comment	Professor at UNO
Document Comment	Busybox SPDX
Output File Type	SPDX-TAG

Package(s)

Refresh

Name	Version	Source Info	Description	Package Edit	File List	Extracted Lic Info List
busybox-1.20.2.tar.bz2	1.20.2	UNO Test	busybox version 1.20.2	Detail/Edit	File List	Extracted Lic Info List

Back Create

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Package Info Edit

login

This option permits editing a single package.
Fields denoted by an * are required.

Package Name *	busybox-1.20.2.tar.bz2
Package Version	1.20.2
Package FileName	busybox-1.20.2.tar.bz2
Package Supplier	Person: Tom Jones
Package Originator	Organization: Some Company
Package Download Location *	http://somelocation
Package Checksum	DD2E3684B13C0071D480E97B569041E69538E798
Package Verification Code	71f27c0d259718243a9b10c39430e0a8eb85e336 Create Verification Code
Verification Code Excluded Files	*.spdx
Source Info	UNO Test

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SPDX File Edit Input

This option permits editing a single file.
Fields denoted by an * are required.

Package Name	Linux Kernel v3.8.1
File Name	./Linux Kernel v3.8.1/Linux Kernel v3.8/linux-3.8.1/firmware/radeon/R200_cp.bin.ihex
File Type	OTHER
Checksum	93EC54D5B1C61874CFA0E0C6488CEDE2D0DEE00F
License Concluded*	NOASSERTION
License Info In File	
License Comments	
File Copyright Text	
Artifact of Project	
Artifact of Homepage	
Artifact of URL	
File Comment	

Close Next

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Extracted Lic Info List

login

Package: Linux Kernel v3.8.1

Identifier	Extracted Text	License Name	Cross Reference URLs	Comment	
LicenseRef-0	License by Nomos.	GPL_v1			edit
LicenseRef-1	License by Nomos.	HP-possibility			edit
LicenseRef-2	License by Nomos.	LGPL			edit
LicenseRef-3	License by Nomos.	MIT-style			edit
LicenseRef-4	License by Nomos.	MPL			edit
LicenseRef-5	License by Nomos.	Same-license-as			edit

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Request Instances Wizard Cancel

CHOOSE AN AMI | INSTANCE DETAILS | CREATE KEY PAIR | CONFIGURE FIREWALL | REVIEW

Choose an Amazon Machine Image (AMI) from one of the tabbed lists below by clicking its **Select** button.

Quick Start | My AMIs | **Community AMIs** | AWS Marketplace

Viewing: All Images | fossology | 1 to 1 of 1 Items

AMI ID	Root Device	Manifest	Platform	
ami-1a6af273	ebs	186210339502/fossology-spdx	Other Linux	Select

Free tier eligible if used with a micro instance. See AWS free tier for complete details and terms.

FOSSology + SPDX: More Information

- License
  - Apache 2.0
- Code
  - PHP
- GitHub Repository
  - https://github.com/spdx-tools/fossology-spdx
- Public Instance
  - https://fossology-demo.ist.unomaha.edu/

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FOSSology + SPDX: Future

- Attribution Document
- Align with FOSSology release
- Integration with FOSSology 2.1.1
  - New license tables

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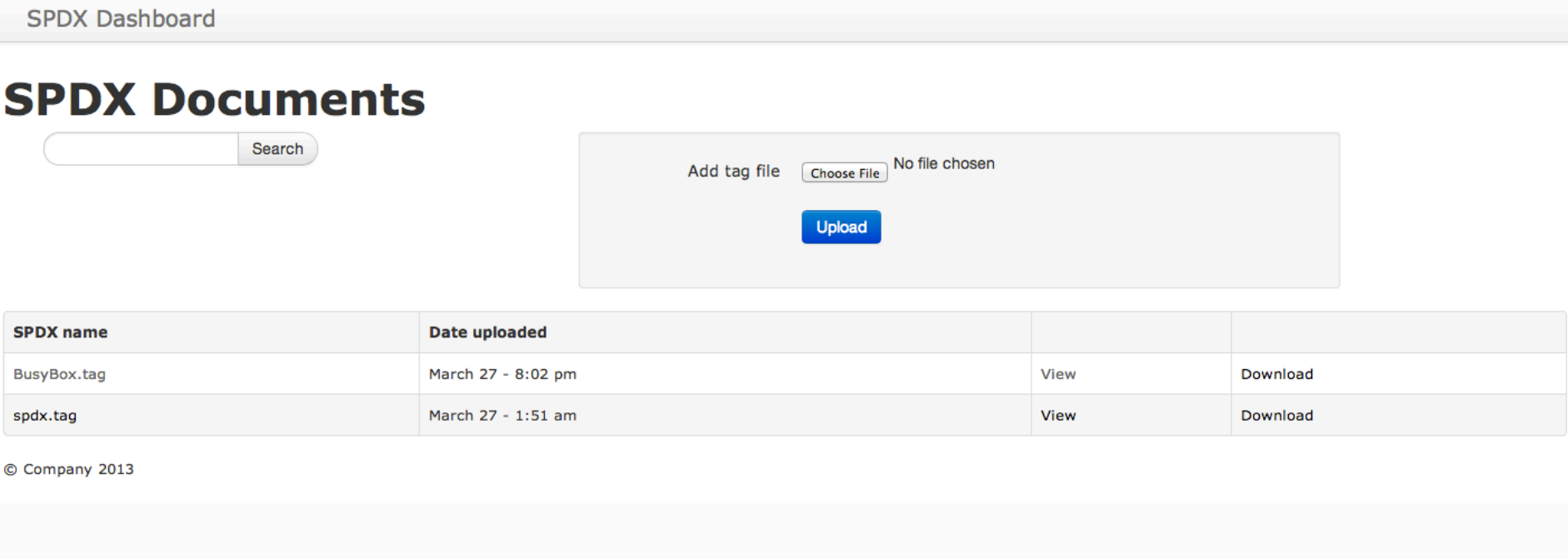
SPDX Dashboard



https://spdxhub.ist.unomaha.edu/

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SPDX Dashboard

SPDX Dashboard

SPDX Docs > BusyBox.tag

Document Info

File name	BusyBox.tag
Date uploaded	March 27 - 8:02 pm
Date generated	March 26 - 4:27 pm
SPDX version	SPDX-1.1

Download .tag

Comment on this SPDX document

Add comment | View comments (0)

Package Info

Package name	busybox-1.20.2.tar.bz2
File name	busybox-1.20.2.tar.bz2
Package files	1769 total (click to view)
Package version	1.20.2
Originator	Person:NOASSERTION

Comment on this package

Add comment | View comments (0)

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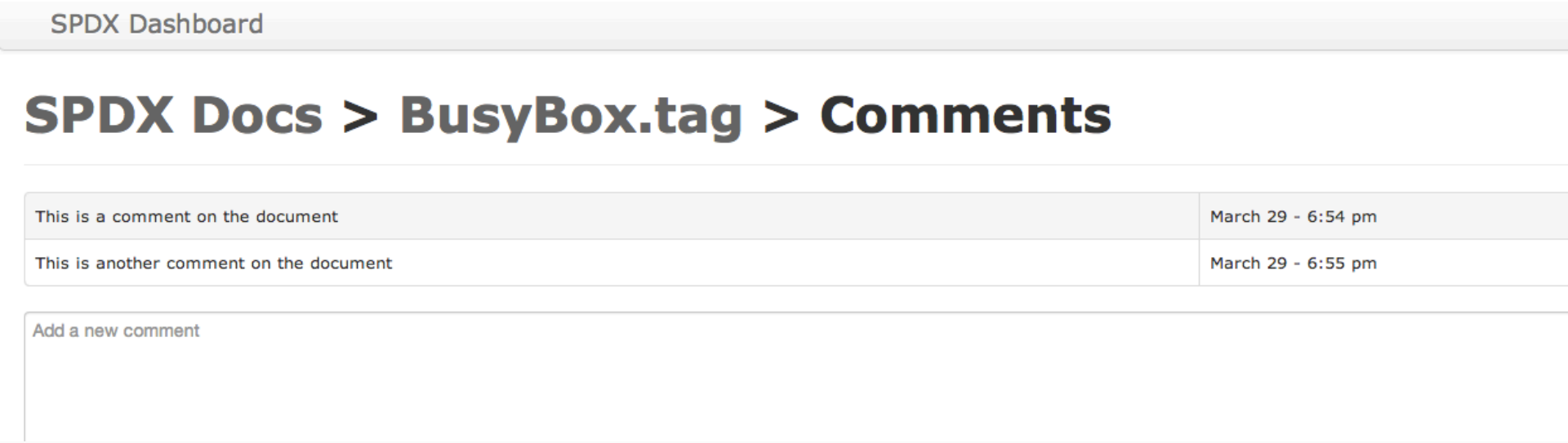

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Download location	NONE
Description	busybox version 1.20.2
Copyright	NONE
Licenses	GPL LGPL Public-domain Free-SW BSD-style GPL_v2-possibility See-doc(OTHER) UnclassifiedLicense Artistic MIT-style See-file(LICENSE) W3C-style GPL-Bison-exception FSF BSD-lite X11-style RSA-Security Public-domain(C)

View files (1769)

https://spdxhub.ist.unomaha.edu/

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SPDX Dashboard: More Information

- License
  - Free BSD
- Code
  - Ruby
- GitHub Repository
  - https://github.com/spdx-tools/spdx-dashboard
- Public Instance
  - https://spdxhub.ist.unomaha.edu/

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SPDX Dashboard: Future

- Single SPDX Analysis
- Multi SPDX Compare
- Attribution Document
- Conjunctive/Disjunctive Display

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Future Directions

- Much of what we have to date is the result of conversations with people on this call
  - Thanks
- Our capacity is contingent on grant funding.
  - Balance between corporate and academic interests
  - Corporate/community support is appreciated:
    - Equipment // Grants // Internships
- See you at Collab

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